

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the present application.

IN THE CLAIMS:

Claims 1 - 8. (Canceled).

Claim 9. (Currently Amended) An isolated tumor antigen peptide of 8 to 14 amino acids in length that is a fragment of the amino acid sequence of SEQ ID NO:1, and that binds to an HLA antigen and is recognized by cytotoxic T lymphocytes, ~~or a derivative thereof which comprises an amino acid residue at position 2 and/or the C-terminus substituted by another amino acid residue, and which has functionally equivalent properties.~~

Claim 10. (Currently Amended) The isolated tumor antigen peptide of claim 9 wherein the HLA antigen is HLA-A24, ~~or a derivative thereof which comprises an amino acid residue at position 2 and/or the C-terminus substituted by another amino acid residue, and which has the functionally equivalent properties.~~

Claim 11. (Currently Amended) The isolated tumor antigen peptide of claim 10, which comprises a sequence selected from an amino acid sequence shown in any one of SEQ ID NOs: 3-18, or a ~~derivative thereof~~ an isolated tumor antigen peptide which comprises a sequence selected from an amino acid sequence shown in any one of SEQ ID NOs: 3-18 wherein the amino acid residue at position 2 is substituted by tyrosine, phenylalanine, methionine, or tryptophan, and/or the C-terminus is substituted by ~~another amino acid residue~~ phenylalanine, leucine, isoleucine, tryptophan, or methionine, and which has the functionally equivalent properties.

Claim 12. (Currently Amended) The isolated tumor antigen peptide of claim 11, which comprises a sequence selected from an amino acid sequence shown in any one of SEQ ID NOs: 3-5, or a ~~derivative thereof~~ an isolated tumor antigen peptide which comprises a sequence selected from an amino acid sequence shown in any one of SEQ ID NOs: 3-5 wherein the amino acid residue at position 2 is substituted by tyrosine, phenylalanine, methionine, or tryptophan, and/or the C-terminus is substituted by ~~another amino acid residue~~ phenylalanine, leucine, isoleucine, tryptophan,

or methionine, and which has the functionally equivalent properties.

Claims 13 - 15. (Canceled).

Claim 16. (Currently Amended) The isolated tumor antigen peptide ~~derivative~~ of claim 12, which comprises a sequence selected from an amino acid sequence shown in any one of SEQ ID NOs: 19-21.

Claim 17. (Currently Amended) A ~~pharmaceutical~~ composition ~~for treating tumors,~~ which comprises as an active ingredient at least one of substances selected from the isolated tumor antigen peptides ~~and derivatives thereof~~ according to any one of claims 9 to 12, ~~15,~~ and 16.

Claim 18. (Canceled).

Claim 19. (Currently Amended) A recombinant polypeptide obtainable by expressing a recombinant DNA comprising at least one of DNAs that encode the tumor antigen peptides ~~or derivatives thereof~~ according to any one of claims 9 to 12, ~~15,~~ and 16.

Claim 20. A ~~pharmaceutical~~ composition ~~for treating tumors~~, which comprises as an active ingredient the recombinant polypeptide of claim 19.

Claims 21-27. (Canceled).

Claim 28. (Currently Amended) A diagnostic agent for tumors, which comprises the tumor antigen peptide ~~or derivative thereof~~ according to any one of claims 9 to 12, ~~15~~, and 16, or an isolated protein that is encoded by a DNA of any one of the following (a) to (d):

(a) a DNA encoding a protein comprising the amino acid sequence of SEQ ID NO:1,

(b) a DNA comprising the nucleotide sequence of SEQ ID NO:2,

(c) a foreign DNA carried in *E. coli* JM109 (3D9) (deposit number FERM BP-6929), and

(d) a DNA which hybridizes with a DNA of any one of (a) to (c) under stringent hybridization conditions wherein said DNA encodes a tumor antigen protein which gives rise to tumor antigen peptide(s) that bind(s) to an HLA antigen and are recognized by cytotoxic T lymphocytes.

Claim 29. (Previously Presented) A diagnostic agent for tumors, which comprises the recombinant polypeptide of claim 19.